

ABSTRACT OF THE DISCLOSURE

5 An improved fastener installation tool is provided of the type having
a fixture pin for seated reception into a mating recess at the shank end of a
threaded fastener, while a power-driven socket installs a threaded nut onto
the fastener shank. The installation tool incorporates a simplified spring-
loaded clutch assembly including a dual function spring member for urging
the fixture pin axially forwardly relative to the power-driven socket, whereby
the fixture pin slidably retracts against the applied spring force as the nut is
10 threaded onto the fastener shank. The spring member additionally urges a
cam pin into normal engagement with a lobed cam wheel carried by the
fixture pin for normally preventing fixture pin rotation, but wherein the cam pin
retracts to accommodate limited fixture pin rotation in response to a torque
overload condition thereby protecting the fixture pin against deformation or
15 breakage.